

FIG. 1A

1	ATG	AAG	GCT	TCC	AGC	CGC	TTC	AAG	GCA	CAC	CAG	GAT	GCA	CTG	CCA	CGG	TTG	CCC	54
1	M	K	A	S	S	R	F	K	A	H	Q	D	A	L	P	R	L	P	18
55	GTG	CCC	CCT	CTC	CAG	CAG	TCC	CTG	GAC	CAC	TAC	CTG	AAG	GCG	CTG	CAG	CCC	ATC	108
19	V	P	P	L	Q	Q	S	L	D	H	Y	L	K	A	L	Q	P	I	36
109	GTG	AGT	GAG	GAG	GAG	TGG	GCC	CAC	ACC	AAG	CAG	CTG	GTG	GAT	GAG	TTT	CAG	GCC	162
37	V	S	E	E	E	W	A	H	T	K	Q	L	V	D	E	F	Q	A	54
163	TCA	GGA	GGT	GTA	GGG	GAG	CGC	CTG	CAG	AAG	GGG	CTG	GAG	CGT	CGG	GCC	AGG	AAG	216
55	S	G	G	V	G	E	R	L	Q	K	G	L	E	R	R	A	R	K	72
217	ACG	GAG	AAC	TGG	CTG	TCT	GAG	TGG	CTG	AAG	ACC	GCC	TAC	CTC	CAG	TAC	CGC	270	
73	T	E	N	W	L	S	E	W	W	L	K	T	A	Y	L	Q	Y	R	90
271	CAG	CCT	GTG	GTC	ATC	TAC	TCG	AGC	CCA	GGC	GTG	ATG	CTA	CCC	AAG	CAG	GAC	TTC	324
91	Q	P	V	V	I	Y	S	S	P	G	V	M	L	P	K	Q	D	F	108
325	GTG	GAC	CTG	CAG	GGT	CAG	CTC	CGA	TTT	GCT	GCC	AAA	CTC	ATT	GAG	GGT	GTG	TTG	378
109	V	D	L	Q	G	Q	L	R	F	A	A	K	L	I	E	G	V	L	126
379	GTT	TTC	AAG	GTC	ATG	ATT	GAC	AAC	GAG	ACC	CTG	CCC	GTG	GAG	TAC	CTG	GGG	GGG	432
127	V	F	K	V	M	I	D	N	E	T	L	P	V	E	Y	L	G	G	144
433	AAG	CCA	CTG	TGC	ATG	AAC	CAG	TTC	TAT	CAG	ATC	TTG	TCC	TGC	CGA	GTG	CCG	486	
145	K	P	L	C	M	N	Q	F	Y	Q	I	L	S	S	C	R	V	P	162
487	GGC	CCC	AAG	CAG	GAC	ACA	GTC	AGC	AAC	AAG	AGC	ACC	AAG	AAG	CCT	CCC	ACG	540	
163	G	P	K	Q	D	T	V	S	N	F	S	K	T	K	K	P	P	T	180

FIG. 1B

541	CAC	ATC	ACC	GTG	GTA	CAC	AAC	TAC	CAG	TTT	GAG	CTG	GAT	GTG	TAC	CAC	AGT	594	
181	H	I	T	V	V	H	N	Y	Q	F	F	E	L	D	V	Y	H	S	198
595	GAC	GGG	ACA	CCC	CTC	ACT	GGC	GAT	CAG	ATC	TTT	GTG	CAG	CTG	GAG	AAG	ATC	TGG	648
199	D	G	T	P	L	T	A	D	Q	I	F	V	Q	L	E	K	I	W	216
649	AAC	TCA	TCC	CTA	CAG	ACC	AAC	AAG	GAG	CCT	GTG	GGC	ATC	CTC	ACC	TCC	AAC	CAC	702
217	N	S	S	L	Q	T	N	K	E	P	V	G	I	L	T	S	N	H	234
703	CGC	AAC	TCC	TGG	GCC	AAG	GCA	TAC	AAC	ACC	CTC	ATC	AAA	GAC	AAG	GTG	AAC	CGG	756
235	R	N	S	W	A	K	A	Y	N	T	L	I	K	D	K	V	N	R	252
757	GAT	TCC	GTG	CGC	TCC	ATC	CAG	AAG	AGC	ATC	TTC	ACC	GTG	TGC	CTA	GAT	GCA	ACC	810
253	D	S	V	R	S	I	Q	K	S	I	F	T	V	C	L	D	A	T	270
811	ATG	CCC	AGG	GTC	TCA	GAA	GAC	GTG	TAC	CGC	AGC	CAC	GTG	GCA	GGC	CAG	ATG	CTG	864
271	M	P	R	V	S	E	D	V	Y	R	S	H	V	A	G	Q	M	L	288
865	CAT	GGG	GGC	GGC	AGC	AGG	CTC	AAC	AGC	GGC	AAC	CGC	TGG	TTC	GAC	AAG	ACG	CTG	918
289	H	G	G	S	R	L	N	S	G	N	R	W	F	D	K	T	L	306	
919	CAG	TTC	ATC	GTG	GCA	GAA	GAT	GGC	TCC	TGT	GGG	CCT	GTG	TAC	GAG	CAT	GCT	GCA	972
307	Q	F	I	V	A	E	D	G	S	C	G	L	V	Y	E	H	A	A	324
973	GGG	GAG	GGG	CCC	CCT	ATT	GTC	ACC	CTT	CTG	GAC	TAT	GTC	ATC	GAG	TAC	ACG	AAG	1026
325	A	E	G	P	P	I	V	T	L	L	D	Y	V	I	E	Y	T	K	342
1027	AAA	CCC	GAG	CCT	GTG	CGG	TCT	CCC	ATG	GTG	CCC	CTG	CCC	ATG	CCC	AAG	AAG	CTG	1080
343	K	P	E	L	V	R	S	P	M	V	P	L	P	M	P	K	K	L	360

FIG. 1C

1081	CGG	TTC	AAC	ATC	ACC	CCC	GAG	ATC	AAG	GAC	ATC	GAG	AAG	GCC	AAG	CAG	CAC	AAC	1134
361	R	F	N	I	T	P	E	I	K	S	D	I	E	K	A	K	Q	N	378
1135	CTC	AGC	ATC	ATG	ATC	CAG	GAC	CTG	GAT	ATC	ACC	GTG	ATG	GTG	TTC	CAC	CAT	TTT	1188
379	L	S	I	M	I	Q	D	L	D	I	T	V	M	V	F	H	H	F	396
1189	GGA	AAA	GAC	TTC	CCC	AAG	TCG	GAG	AAG	CTA	AGC	CCA	GAT	GCC	TTC	ATC	CAG	ATG	1242
397	G	K	D	F	P	K	S	E	K	L	S	P	D	A	F	I	Q	M	414
1243	GCT	TTG	CAG	CTG	GCC	TAC	TAC	AGG	TTC	TAC	GGA	AAG	GAA	TGT	GCC	ACC	TAT	GAA	1296
415	A	L	Q	L	A	Y	Y	R	F	Y	G	K	E	C	A	T	Y	E	432
1297	AGT	GCC	TCC	CTG	CGC	ATG	TTT	CAC	CTG	GGG	CGC	ACC	GAC	ACC	ATC	CGC	TCG	GGT	1350
433	S	A	S	L	R	M	F	H	L	G	R	T	D	T	I	R	S	G	450
1351	TCC	ATG	GAC	TCA	CTC	ACC	TTT	GTC	AAG	GCC	ATG	GAT	GAC	TCC	AGC	GTC	ACG	GAG	1404
451	S	M	D	S	L	T	F	V	K	A	M	D	D	S	S	V	T	E	468
1405	CAC	CAG	AAG	GTG	GAG	CTG	CGG	AAG	GCC	GTG	CAG	GCC	CAC	CGA	GGT	TAC	ACC	1458	
469	H	Q	K	V	E	L	L	R	K	A	V	Q	A	H	R	G	Y	T	486
1459	GAC	CGG	GCC	ATC	CGG	GGG	GAG	GGC	TTT	GAT	CGA	CAC	CTG	GGC	CTG	AAG	CTG	1512	
487	D	R	A	I	R	G	E	G	F	D	R	H	L	L	G	L	K	L	504
1513	CAG	GCC	ATC	GAG	GAC	CTG	GTG	AGC	ATG	CCC	GAC	ATC	TTC	ATG	GAC	ACC	TCC	TAC	1566
505	Q	A	I	E	D	L	V	S	M	P	D	I	F	M	D	T	S	Y	522
1567	GCC	ATC	GGC	ATG	TAC	TTC	CAC	CTC	TCC	ACC	AGG	CAG	GTC	CCT	GCC	AAG	AAG	ATG	1620
523	A	I	G	M	Y	F	H	L	S	T	R	Q	V	P	A	K	K	M	540

FIG. 1D

1621	TGT	CAT	GTT	CTT	CGG	GCC	CGT	GGT	CCC	CGA	CGG	GTA	CGG	TGT	CTT	TAT	AAC	CCC	1674
541	C	H	V	L	R	A	R	G	P	R	R	V	R	C	L	Y	N	P	558
1675	ATG	GAG	GGC	CAC	ATC	AAC	TTC	TCC	CTG	TCG	GAC	TAC	AAA	AGG	TGG	GGG	GAG	ACC	1728
559	M	E	G	H	I	N	F	S	L	S	D	Y	K	R	W	G	E	T	576
1729	AAC	GCC	GCC	CGC	CTG	GTG	TAT	TAC	CTG	GAG	AAG	GCG	CTC	CTG	GAC	ATG	CGT	GCC	1782
577	N	A	A	R	L	V	Y	Y	L	E	K	A	L	L	D	M	R	A	594
1783	CTG	GTG	AAG	AGC	CAC	CCC	CGG	GCC	AAG	TTC	TTA	GCC	CCT	AGG	ACT	CAG	GCC	TGC	1836
595	L	V	K	S	H	P	R	A	K	F	L	A	P	R	T	Q	A	C	612
1837	CAA	TGC	CAC	AGG	CAA	GCC	CAC	CCT	AGG	ATG	GGC	CAC	CCA	CCA	GGG	ATC	AGC	TCC	1890
613	Q	C	H	R	Q	A	H	P	R	M	G	H	P	P	G	I	S	S	630
1891	TRG	GTT	CCC	TCT	TCC	TTG	GTT	CCC	TCT	TCC	CTG	GTC	CCC	CCA	ATT	CTA	CTG	AGC	1944
631	L	V	P	S	S	L	V	P	S	L	V	P	P	I	L	L	S	648	
1945	CAC	GGA	CCG	CAT	CCT	CCA	GGG	GGC	TGC	AGG	CCC	AGC	CAA	GTG	CCT	TCC	TRG	GGT	1998
649	H	G	P	H	P	P	G	P	G	G	C	R	P	S	Q	V	P	S	666
1999	CAT	CCC	AGC	ACC	TGC	CAG	GGC	CCG	ACC	TGG	GGC	TGA							2034
667	H	P	S	T	C	Q	G	P	T	W	G	*							677